



gas oil  
brine

**VCI FORMULATED PRODUCTS FOR PROCESS INDUSTRIES**

## S-19

### PRODUCT DESCRIPTION

S-19 combines an effective emulsifier and powerful solvents to dissolve sludge accumulation in fuel oil storage tanks, oil heaters and transfer lines. The water/oil emulsifying properties of S-19 help reduce fuel system corrosion, reduce burner deposits, and help maintain proper flame pattern.

Reducing problems associated with tank bottom sediment and water will reduce fuel storage and handling costs. Tank sludge reduces storage volume and contributes to poor combustion efficiency.

### TYPICAL PROPERTIES

Appearance	Clear colorless to pale yellow liquid
Flash Point	141°F (61°C)
Freeze Point	-8°F (-11°C)
Non-volatile Content	26-29%
Density	7.2-7.3 lb/gal (0.86-0.88 kg/l)

### FREEZE-THAW STABILITY

Complete recovery with mixing. Warm frozen material to approximately 70°F (21°C) before mixing. Do not inject live steam to heat/thaw.

### CONTROLS

Inspection of tank, transfer lines and burners for deposition or cleanup. Bacon Bomb to determine sludge levels in storage tanks.

### OPERATING PARAMETERS

When dissolving large quantities of sludge, a sediment of hard-to-dissolve sludge particles may persist. Sand, wood splinters and tank scale or rust are examples of materials which will not be dissolved by S-19.

Water contamination from steam tracing leaks or condensation in the storage tank can cause corrosion of steel tank and piping surfaces. The iron released can act as a catalyst to polymerize the heavier hydrocarbons present in oil. These deposits can be dissolved by S-19. Whenever water exceeds 1% of tank capacity, it should be removed mechanically.

### FEEDING PROCEDURES

To dissolve tank sludge, slug feed to the fuel oil storage tank. Slug feeding to unloading lines and proportional feeding to recirculating lines are both adequate.

### FEEDING EQUIPMENT

Storage tanks should be steel. Gauge glasses should be constructed of glass. Do not use plastic. Feed pumps and lines should be stainless steel.

## DOSAGE

- 1 qt. - 2 gal/1000 gals. (250 ml-2 liter/1000 liters) fuel oil Grades 4, 5 and 6
- 1 pt/1000 gals. (125 ml/1000 liters) diesel and fuel oil, Grade 2

## SHELF LIFE AND STORAGE

Store in a dry, well-ventilated location away from excessive heat and open flame. Keep container closed when not in use. The recommended shelf life is one year after receipt of product.

## PACKAGING

S-19 is available in 5 gallon (19 liter) plastic containers and 55 gallon (208 liter) metal drums.

## FOR INDUSTRIAL USE ONLY

**KEEP OUT OF REACH OF CHILDREN**

**KEEP CONTAINER TIGHTLY CLOSED**

**NOT FOR INTERNAL CONSUMPTION**

**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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printed on recycled paper  10% post consumer

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